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UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 2843

Total Pages in this Submission

TO THE ASSISTANT COMMISSIONER FOR PATENTS

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Trans	mitte	d her	ewith for	filing under 35	5 U.S.C	C. 111(a) and	37 C.F.R. 1.53	(b) is a new utility patent application	ation for an
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2	. 🛚	Spe	cification	having		13	_ pages and ir	ncluding the following:	
	a.	X	Descrip	tive Title of the	e Inver	ntion			
	b.		Cross F	References to I	Relate	d Applications	s (if applicable)		
	C.		Stateme	ent Regarding	Feder	ally-sponsore	d Research/De	velopment (if applicable)	
	d.		Referen	ce to Microfic	he App	oendix <i>(if appl</i>	icable)		
	e.	X	Backgro	ound of the Inv	ention	l			
	f.		Brief Su	mmary of the	Invent	ion			
	g.	X	Brief De	escription of th	e Drav	vings <i>(if drawi</i>	ings filed)		
	h.	X	Detailed	d Description					
	i.	X	Claim(s) as Classified	Below	v			
	i.	X	Abstrac	t of the Disclo	sure				

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Total Pages in this Submission

Application Elements (Continued)

☑ Drawing(s) (when necessary as prescribed by 35 USC 113)											
a.	X	Formal b.		Informal	Num	ber of S	heets _	One (1)			
×	Oath or Declaration										
a.	a. 🛛 Newly executed (original or copy) 🔲 Unexecuted										
b.	Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)										
c.	c. 🗵 With Power of Attorney 🔲 Without Power of Attorney										
d.	☐ <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).										
	Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.										
	Computer Program in Microfiche										
	Genetic Sequence Submission (if applicable, all must be included)										
a.	☐ Paper Copy										
b.		Computer Reada	ble C	ору							
C.	Statement Verifying Identical Paper and Computer Readable Copy										
	Accompanying Application Parts										
X	Assignment Papers (cover sheet & documents)										
	37 CFR 3.73(b) Statement (when there is an assignee)										
	English Translation Document (if applicable)										
X	Information Disclosure Statement/PTO-1449 Copies of IDS Citations										
	Preliminary Amendment										
X	Acknowledgment postcard										
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Statement Verifyi Assignment Papers (37 CFR 3.73(b) Stater English Translation Do Information Disclosure Preliminary Amendme Acknowledgment post Certificate of Mailing	a. ☑ Formal b. ☐ ☑ Oath or Declaration a. ☑ Newly executed (origin b. ☐ Copy from a prior appli c. ☑ With Power of Attorney d. ☐ DELETION OF INVEN Signed statement attac see 37 C.F.R. 1.63(d)() ☐ Incorporation By Reference The entire disclosure of the Box 4b, is considered as incorporated by reference th ☐ Computer Program in Micro ☐ Genetic Sequence Submiss a. ☐ Paper Copy b. ☐ Computer Readable C. c. ☐ Statement Verifying Ide ☑ Assignment Papers (cover state) ☐ Statement Disclosure State ☐ Information Disclosure State ☐ Preliminary Amendment ☑ Acknowledgment postcard ☑ Certificate of Mailing	a. ☑ Formal b. ☐ Informal ☐ Oath or Declaration a. ☑ Newly executed (original or copy) b. ☐ Copy from a prior application (37 CF c. ☑ With Power of Attorney ☐ With d. ☐ DELETION OF INVENTOR(S) Signed statement attached deleting see 37 C.F.R. 1.63(d)(2) and 1.33(b) ☐ Incorporation By Reference (usable if Bo. 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DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the see 37 C.F.R. 1.63(d)(2) and 1.33(b). Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy Box 4b, is considered as being part of the disclosure of the incorporated by reference therein. Computer Program in Microfiche Genetic Sequence Submission (if applicable, all must be included a. Paper Copy b. Computer Readable Copy c. Statement Verifying Identical Paper and Computer Readable Accompanying Application Part Assignment Papers (cover sheet & documents) 37 CFR 3.73(b) Statement (when there is an assignee) English Translation Document (if applicable) Information Disclosure Statement/PTO-1449 Copies of Preliminary Amendment Acknowledgment postcard Certificate of Mailing	a. See Formal b. □ Informal Number of Sheets One (1) See Oath or Declaration a. 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With Power of Attorney □ Without Power of Attorney d. □ DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). □ Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied unde Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. □ Computer Program in Microfiche □ Genetic Sequence Submission (if applicable, all must be included) a. □ Paper Copy b. □ Computer Readable Copy c. □ Statement Verifying Identical Paper and Computer Readable Copy Accompanying Application Parts Assignment Papers (cover sheet & documents) □ 37 CFR 3.73(b) Statement (when there is an assignee) □ English Translation Document (if applicable) □ Information Disclosure Statement/PTO-1449 □ Acknowledgment postcard □ Certificate of Mailing □ Certificate of Mailing		

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	Accompanying Application Parts (Continued)
15.	Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.	Small Entity Statement(s) - Specify Number of Statements Submitted:
17.	Additional Enclosures (please identify below):
8 .	Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2) Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application. Warning An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i),
For the first dam down for	must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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Fee Calculation and Transmittal

CLAIMS AS FILED #Filed #Allowed Rate Fee For #Extra \$54.00 Tetal Claims 26 - 20 = \$9.00 х \$0.00 3 0 \$42.00 Indep. Claims - 3 = \$0.00 Maltiple Dependent Claims (check if applicable) \$370.00 **BASIC FEE** OTHER FEE (specify purpose) \$0.00 M TOTAL FILING FEE \$424.00 A check in the amount of \$424.00 to cover the filing fee is enclosed. ☑ The Commissioner is hereby authorized to charge and credit Deposit Account No. 08-0114 as described below. A duplicate copy of this sheet is enclosed. ☐ Charge the amount of as filing fee. ☑ Credit any overpayment. ☑ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b). DEC 28 Das Dated: Signature

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CC:

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